

## AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 2, 8, 10, 14 and 15 as follows.

### **LISTING OF CLAIMS**

1. (currently amended) A method of addressing mobile stations in a wireless communication system comprising:

obtaining a list of mobile addresses; [[and]]

~~determining~~ using a portion of each mobile address to define a partial address length ~~and portion to communicate with each mobile station[[]]; and~~

varying the length of the partial address to ensure uniqueness of the partial address.

2. (currently amended) ~~The method of Claim 1, further comprising: A~~  
method of addressing mobile stations in a wireless communication system comprising:

obtaining a list of mobile addresses; and

determining a partial address length and portion to communicate with each mobile station;

sorting the list of mobile addresses by slot location so that each mobile station in a slot has a unique partial address.

3. (original) The method of Claim 2, further comprising selecting different partial address lengths for different slots.

4. (original) The method of Claim 1, further comprising selecting a consecutive portion of the address as the partial address.

5. (original) The method of Claim 1, further comprising setting the partial address length to a frame length or less.

6. (original) The method of Claim 1, further comprising selecting a partial address length to minimize the bits transmitted by the wireless communication system.

7. (original) The method of Claim 6, further comprising addressing the mobile stations using addresses of the partial address length.

8. (currently amended) A wireless communication system comprising:  
a plurality of mobile stations, wherein each mobile station has a unique address;

a base station which communicates with the plurality of mobile stations, the base station comparing the addresses of each mobile station to determine a partial address length at which each mobile station may be uniquely identified[.]; wherein the partial address length may vary between slots.

9. (original) The wireless communication system of Claim 8, wherein each of the mobile stations monitors a specific slot for its address.

10. (currently amended) ~~The wireless communication system of Claim 9,~~  
wherein A wireless communication system comprising:

a plurality of mobile stations, wherein each mobile station has a unique  
address;

a base station which communicates with the plurality of mobile stations,  
the base station comparing the addresses of each mobile station to determine a partial  
address length at which each mobile station may be uniquely identified;

each of the mobile stations monitors a specific slot for its address; and

the base station determines a partial address length at which each mobile  
station with a specific slot may be uniquely identified.

11. (original) The wireless communication system of Claim 10, wherein the  
partial address length may vary between slots.

12. (original) The wireless communication system of Claim 8, wherein the  
partial address is selected from consecutive bits of the unique address.

13. (original) The wireless communication system of Claim 8, wherein the  
partial address length is a frame length or less.

14. (currently amended) A method of varying the address length in a wireless  
communication system comprising:

~~selecting~~ using a portion of a mobile address to define a partial address length which results in each terminal of the wireless communication system obtaining a unique partial address[.]; wherein

the partial address length may vary between slots.

15. (currently amended) ~~The method of Claim 14, further comprising:~~ A method of varying the address length in a wireless communication system comprising:

selecting a partial address length which results in each terminal of the wireless communication system obtaining a unique partial address;

dividing the addresses into groups based on the monitored slot, wherein each address in a group is unique.

16. (original) The method of Claim 15, further comprising permitting different address lengths in each group.

17. (original) The method of Claim 14, further comprising using consecutive bits of a terminal address to create the unique partial address.